

PI 550487 to 550491-continued

- PI 550487 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** NDSA. **pedigree:** Synthetic developed by intercrossing 8 elite lines (ND478, ND474, W153R, SD10, ND376, NDB8, A90, MS1334) of about AES300 maturity. **other id:** GP-84. **source:** Crop Sci. 20(3):418 1980. **group:** CSR-MAIZE. **remarks:** High general combining ability for yield, kernel weight, and kernels per ear. Endosperm yellow. Plant tall. Ear placement high. Maturity is AES300. Annual. Breeding Material. Seed.
- PI 550488 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., University of Missouri, Columbia, Missouri. **cultivar:** NDSB. **pedigree:** Synthetic developed from an intercross of 6 inbreds (ND363, MS142, ND405, ND33, CO303, CV3) and 1 open pollinated variety (Zapalote Chico). **other id:** GP-85. **source:** Crop Sci. 20(3):418 1980. **group:** CSR-MAIZE. **remarks:** Endosperm yellow. Developed concurrently with NDSA. High general combining ability for yield and ears per plant. Plants shorter than NDSA and lower ear placement. Maturity is AES200. Annual. Breeding Material. Seed.
- PI 550489 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** ND245. **pedigree:** CK98/ND12Rf. **other id:** PL-53. **source:** Crop Sci. 20(3):420 1980. **group:** CSR-MAIZE. **remarks:** Yellow dent inbred. Plant medium tall. Ears long, slender, 10-14 rows with shallow kernels. Leaves narrow, stiff. Good combining ability for yield, test weight, low ear moisture, low root and stalk lodging. Maturity is AES200. Intermediate resistance to Diplodia stalk rot, first brood European corn borer, maize dwarf mosaic virus, maize chlorotic dwarf virus, and downy mildew. Resistant to wheat. Annual. Breeding Material. Seed.
- PI 550490 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** ND246. **pedigree:** W755/W771. **other id:** PL-54. **source:** Crop Sci. 20(5):678 1980. **group:** CSR-MAIZE. **remarks:** Good combining ability for yield, test weight, ear moisture, and root and stalk lodging resistance. Maturity is AES200. Intermediate resistance to Diplodia stalk rot, Anthracnose leaf blight, Anthracnose stalk rot, northern corn leaf spot, and first brood European corn borer. Resistant to wheat streak mosaic virus and bacterial leaf blight. Annual. Breeding Material. Seed.